



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D4092-042
Job Sheet 176816



Part No: D4092-042

Job Qty: 2 ea

Part Name: Maintenance Step Assembly



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 5/1/18

Job Tracking No:

Created By: Linda Lacelle

Due Date: 5/10/18

Type: Stock

Description:

Note: DWG REV C IPP REV:A NEW ISSUE 10-10-08 JLM VERIFIED:DD IPP REV:B AS PER ECN 11-639 JLM
VERIFIED BY:DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	2 Ea	5/10/18	5/10/18	0.00	0.00	Start Up Stores/Pkg-1		MAY 0 2 2018
100	Packaging	2 pcs	5/10/18	5/10/18	0.00	0.00	Packaging1-4	MAY 7 2018	
110	Small Fab	2 pcs	5/10/18	5/10/18	0.00	0.77	Small Fab-5		
120	QC	2 pcs	5/10/18	5/10/18	0.00	0.00	QC5		
130	Packaging	2 pcs	5/10/18	5/10/18	0.00	0.00	Packaging3-2		
140	QC21-SA	2 Ea	5/10/18	5/10/18	0.00	0.00	QC21		

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
D4092-1	Maintenance Step	4 Ea (2 ea)	90-Start up Operation	5012669
D4093-1	Bracket	2 Ea (1 ea)	90-Start up Operation	5042848
D4093-3	Bracket	2 Ea (1 ea)	90-Start up Operation	5042857
D4093-5	Bracket	4 Ea (2 ea)	90-Start up Operation	5043673
MS21042L3	Nut	24 Ea (12 ea)	90-Start up Operation	500690283
MS24694-S54	Screw	4 Ea (2 ea)	90-Start up Operation	5021480
MS24694-S55	Screw	16 Ea (8 ea)	90-Start up Operation	5050050
MS24694-S56	Screw	4 Ea (2 ea)	90-Start up Operation	FM137951-50
NAS1149D0332J	Washer	24 Ea (12 ea)	90-Start up Operation	5020606

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	D4092-1	42	7	0
	D4093-1	21	8	0
	D4093-3	21	9	0
	D4093-5	42	9	0
	MS21042L3	24	2,040	0
	MS24694-S54	4	103	0
	MS24694-S55	16	152	0
	MS24694-S56	4	57	0
	NAS1149D0332J	24	2,877	0

QA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																		
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Large Fab ☐	Composite ☐	Supplier ☐																			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval																	
Description Work Order Deviation		Disposition																			
		By _____ Inspector: _____ Revison: _____ Job No: 176816 Serial No/Batch: S067474 Part: D4092-042 Container No: S067474 DART Aerospace Ltd. 1279 Aberdeen Street, K1 Haverhill, ON K6A 1K1 Canada Tel.: 1 519 832-5200 Fax: 1 519 832-5201 Email: sales@dartaero.com www.dartaero.com																			
Root Cause		FAULT CATEGORY																			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Sur ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulley ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐																	
		Misread ☐ Turning Sequence ☐																			
		OTHER : _____																			

Part Specifications
Specifications could not be found.

Plex 5/1/18 2:17 PM dart.lacelle.linda

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					